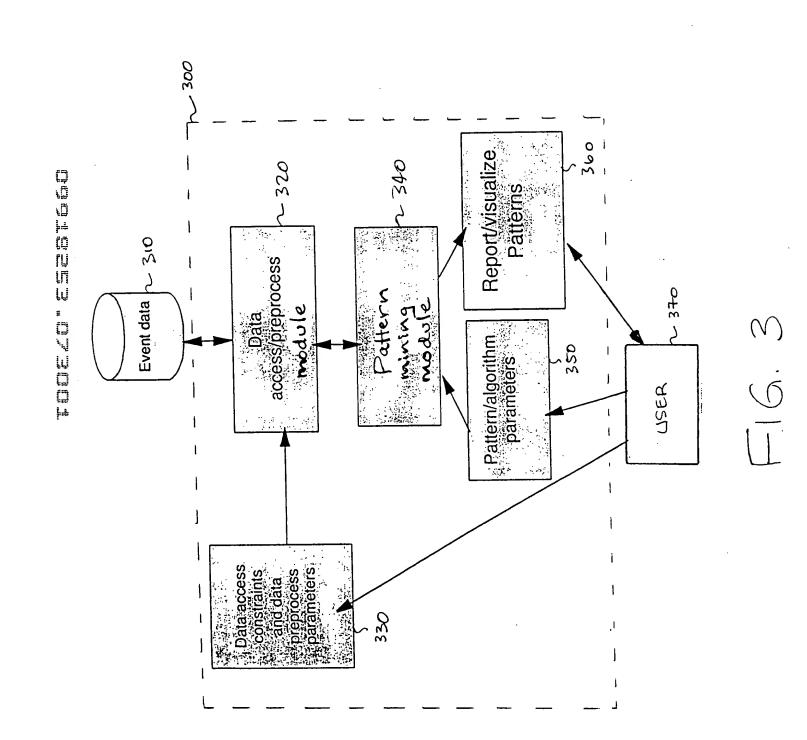
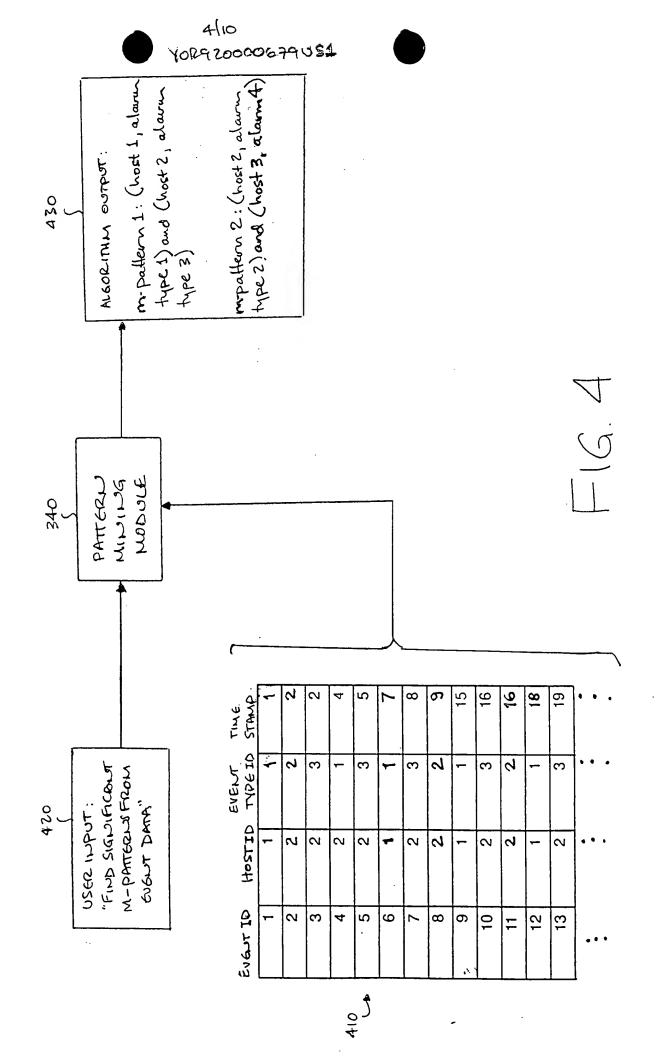
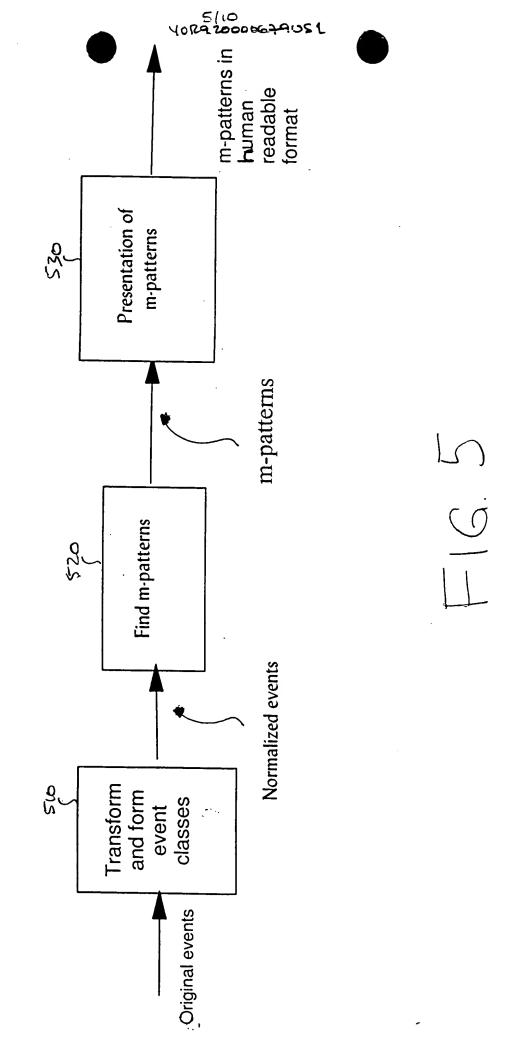


T_1: {a, b, c, d, e, f, g}

COCACHUA LOCAL







EVENT EVENT TIME

10 CLASS STRAP

Time stamp

Host

Event type

Event ID

4

S

6110

401420000679051

630

15 16 19 25 23 21 4 2 4 4 10 12 = 9 ω თ

Table: event after mapping

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2

4

Event class	-	2	1	4
{Event type ID, host ID }	{1, 1}	{1, 3}	{2,1}	{2,2}

19 21

3

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N 2

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N 2 2

9

25 30

Table: original events

13

12

16

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8 6

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N

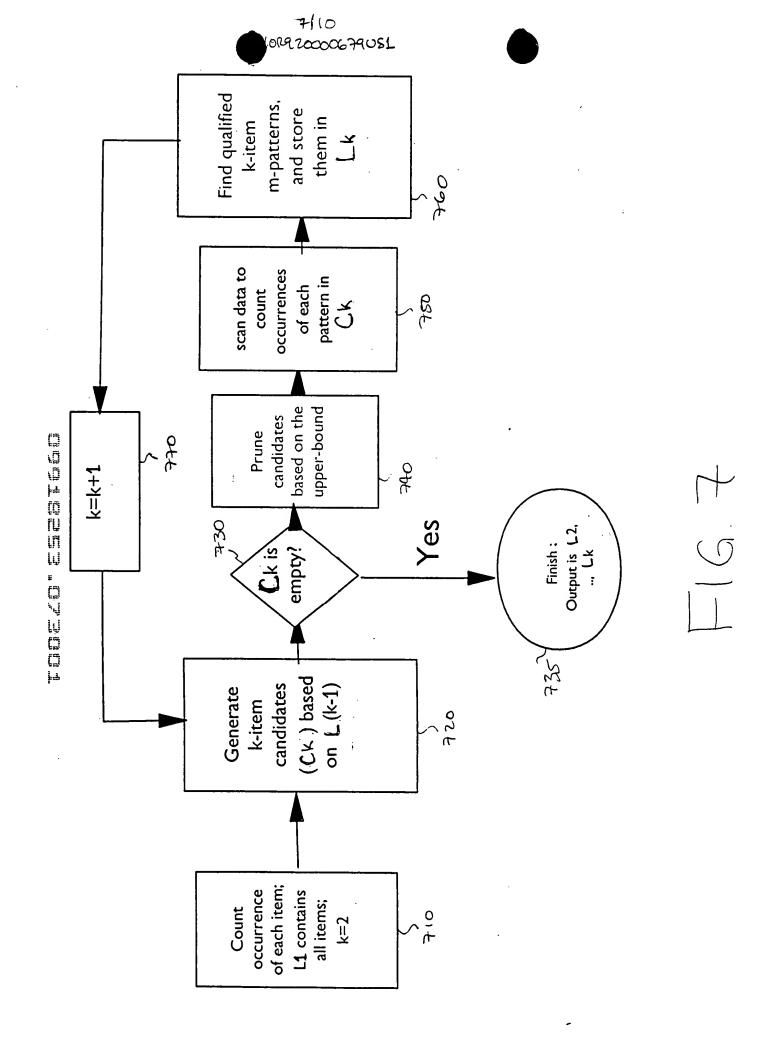
Q

Table: mapping for event class

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N



■ Input: a set of candidates Ck, count information at all previous levels and a threshold minp

Output: a set of pruned candidates C'k

Algorithm

• For each pattern pat in Ck

► For each item a in pat

• Compute: prob = Count(pat-a)/Count(a);

• if prob < minp

-Ck = Ck-pat

- break the for-loop

• Return Ck

40 <u>9</u>

■ Input: pattern pat, all count information, and a threshold minp

■ Output: true if *pat* is a qualified m-pattern; otherwise false.

Algorithm

• For each a in pat

ightharpoonup = Count(pat)/Count(a)

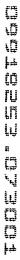
• if prob < minp

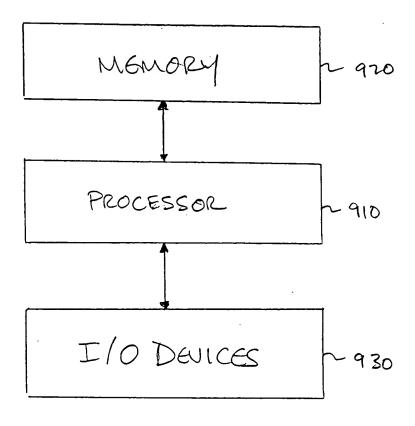
return false

• Return true

■ This algorithm is O(k)

IG. 8B





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